

SHCHERBINA, I., red.; MANKINA, L., tekhn. red.

[Arsenal of the Donets Basin; "Sovet Shakhtera" Factory tries to fulfill the postwar five year plan ahead of time] Arsenal Donbassa; zavod "Svet shakhtera" v bor'be za dosrochnoe vypolnenie poslevoennoi piatiletki. Khar'kov, Khar'kovskoe knizhno-gazetnoe izd-vo, 1950. 95 p. (MIRA 15:12)  
(Kharkov--Coal mining machinery)

MOSTEPANENKO, Mikhail Vasil'yevich; SHCHERBINA, I., red.; YEROSHKINA, L.,  
mladshiy red.; NOGINA, N., tekhn. red.

[Materialist nature of A.Einstein's theory of relativity] Mate-  
rialisticheskaya sushchnost' teorii otnositel'nosti Einshteyna.  
Moskva, Sotsekgiz, 1962. 226 p. (MIRA 15:7)  
(Relativity (Physics))

KONYUKHOV, I., svarshchik, strakhovoy delegat (Barnaul); CHERTKOVA, Ye.,  
planirovshchitsa, strakhovoy delegat (Barnaul); MOROZOVA, G.,  
sparovshchitsa, strakhovoy delegat (Barnaul); SHEL', O.,  
zatochnik (Barnaul); SHCHERBINA, I., svarshchik (Barnaul)

We are interested in everything. Okhr. truda i sots. strakh. 5  
no.9:18 S '62. (MIRA 16:5)

1. Obshchestvennyye inspektora po okhrane truda Altayskogo  
motornogo zavoda (for Shel', Shcherbina).  
(Gus'-Khrustal'nyi—Industrial hygiene)

SHCHERBINA, I.M.

Attachment for making channels for the "Armco" collar in the  
tube sheet of a heat exchanger. Mash. i nef. obr. no. 4:11  
'63. (MIRA 17:8)

1. Ufimskiy neftepererabatyvayushchiy zavod im. XXII s"yezda  
Kommunisticheskoy partii Sovetskogo Soyuza.

SHCHERBINA, I.N., kand.tekhn.nauk

Calculating the stability and strength of earth foundations of  
hydraulic structures. Trudy Gidroproekta 2:137-167 '59.  
(MIRA 13:7)

1. Nauchno-issledovatel'skiy sektor Vsesoyuznogo projektno-  
izyskatel'skogo i nauchno-issledovatel'skogo instituta  
"Gidroproekt" im. S.Ya.  
(Foundations) (Soil mechanics)

BOIMBCHINSKIY, V.P.; VTOROV, N.A.; DUNDUKOV, M.D.; YEGOROV, S.A., doktor tekhn.nauk, prof.; YERMOLOV, A.I.; ZAVORUYEV, V.P.; KALININ, V.V.; KACHEROVSKIY, N.V.; KUZNETSOVA, A.K.; KUZ'MIN, I.A., kand.tekhn.nauk; MEDVEDEV, V.M., kand.tekhn.nauk; MIKULOVICH, B.P.; MIKHAYLOV, V.V., kand.tekhn.nauk; PETRASHEN', R.N.; REYZIN, Ye.S.; SINYAVSKAYA, V.M.; KHALTURIN, A.D.; SHCHERBINA, I.N., kand.tekhn.nauk; SEVAST'YANOV, V.I., red.; KARAULOV, B.F., retsenzent; LOVEFSKIY, Ye.S., retsenzent; MIKHAYLOV, A.V., doktor tekhn.nauk, retsenzent; NATANSON, A.V., retsenzent; SOKOL'SKIY, M.M., retsenzent; STANKEVICH, V.I., retsenzent; FREYGOFER, Ye.F., retsenzent; GOFMAN, T.P., red.; VORONIN, K.P., tekhn.red.

[Work of the All-Union Scientific Research Institute for the Study and Design of Hydraulic Structures] Nauchno-issledovatel'skie raboty Gidroproekta. Pod obshchei red. V.I.Sevast'yanova. Moskva, Gos.energ.izd-vo, 1961. 214 p. (MIRA 15:2)

1. Moscow. Vsesoyuznyy proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut Gidroproyekt imeni S.Ya.Zhuk. Nauchno-issledovatel'skiy sektor.

(Hydraulic engineering--Research)

SHCHERBINA, I.P.; SHUL'GIN, I.A.

Characteristics of some morphological and physiological corn types  
in the Kabardino-Balkar A.S.S.R. Nauch. dokl. vys. shkoly; biol.  
nauki no.3:169-172 '61. (MIRA 14:7)

1. Rekomendovana laboratoriyey biologii razvitiya rasteniy Moskov-  
skogo gosudarstvennogo universiteta im. M.V.Lomonosova.  
(KABARDINA-BALKAR A.S.S.R.--CORN (MAIZE)--VARIETIES)

SHUL'GIN, I.A.; KUPERMAN, F.M.; SHCHERBINA, I.P.

Relation between the chlorophyll content and stages of organogenesis in corn. Fiziol. rast. 9 no.3:347-352 '62. (MIRA 15:11)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva Akademii nauk SSSR, Moskva i Laboratoriya biologii razvitiya rasteniy Moskovskogo gosudarstvennogo universiteta.  
(Corn (Maize)) (Chlorophyll)

SHUL'GIN, I.A.; KUPERMAN, F.M.; VYSLOUKH, V.A.; SHCHERBINA, I.P.

Chlorophyll content as a physiological index of heterosis in corn.  
Fiziol. rast. 8 no.6:754-756 '61. (MIRA 16:7)

1. Laboratory of the Biology of Development of Moscow University  
and K.A. Timiriazev Institute of Plant Physiology, U.S.S.R.  
Academy of Sciences, Moscow.  
(Heterosis) (Corn (Maize)) (Chlorophyll)

SHCHERBINA, I.P.; SHUL'GIN, I.A., kand. biolog. nauk

Characteristics of the leaf apparatus in corn in the Kabardino-Balkar A.S.S.R. Uch. zap. Kab.-Balk. gos. un. no.10:41-46 '61.

Characteristics of the surface mass of corn leaves in the Kabardino-Balkar A.S.S.R. Ibid.:55-60 (MIRA 17:6)

KHRENOV, Leonid Sergeyevich, prof.; SHCHERBINA, I.S., red.; SAMSONENKO, L.V., red.; AKHLAMOV, S.N., tekhn.red.

[Tables of trigonometrical functions having six numbers; containing natural values of six trigonometrical functions for each  $10''$  from  $0^\circ$  to  $360^\circ$ , values of cotangents and cosecants for each  $1''$  from  $0^\circ$  to  $3^\circ 05'$  and values of  $\sin^2 \frac{\alpha}{2}$  and  $\operatorname{tg}^2 \frac{\alpha}{2}$  from  $0^\circ$  to  $180^\circ$ ] Shesti-znachnye tablitsy trigonometricheskikh funktsii; soderzhashchie natural'nye znacheniya shesti trigonometricheskikh funktsii cherez kazhdye  $10''$  ot 0 do  $360^\circ$ , znacheniya kotangensov i kosekansov cherez  $1''$  ot 0 do  $3^\circ 05'$  i znacheniya  $\sin^2 \frac{\alpha}{2}$  and  $\operatorname{tg}^2 \frac{\alpha}{2}$  ot 0 do  $180^\circ$ . Moskva, Gos. izd-vo fiziko-matem.lit-ry, 1960. 372 p. (MIRA 13:12)  
(Trigonometrical functions--Tables, etc.)

SHCHERBINA, I.S., inzh.

Determination of the resistance factor of wooden porous  
cooling tower sprinklers. Elek. sta. 34 no.3:78-79 Mr '63.  
(MIRA 16:3)

(Cooling towers)

MAMAYEV, A.I.; SHCHERBINA, I.T.

Device for a uniform feeding of press rollers and a record of their productivity. Ogneupory 20 no.5:233-234 '55. (MLRA 8:11)

1. Zavod ogneupornykh izdeliy imeni Ordzhonikidze  
(Pressed brick)

L 15342-66 EWP(J)/T/ETC(M)-6 WW/RM  
 ACC NR: AP6000972 (N) SOURCE CODE: UR/0286/65/000/022/0056/0056  
 AUTHORS: Rotenberg, I. P.; Shcherbina, I. V.; Lifshits, I. D.; Shuvalova, L. S.  
 ORG: none  
 TITLE: A method for obtaining foam plastic. Class 39, No. 176390<sup>15445</sup> announced by Vladimir Scientific Research Institute for Synthetic Resins (Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh smol)<sup>51</sup>  
 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 56  
 TOPIC TAGS: polymer, resin, plastic, polyvinyl chloride, foam plastic, vinyl, plastic, plasticizer  
 ABSTRACT: This Author Certificate presents a method for obtaining foam plastics (by a noncompression method) on the basis of polyvinylchloride combined with an elastomer, in the presence of a plasticizer and with aid of a gas generator. To improve the properties of the foam plastic and to increase its resistance to frost, the elastomer consists of chlorosulfonated polyethylene. The proportion of elastomer to polyvinylchloride is 5 to 25 wt parts per 100 wt parts respectively.  
 SUB CODE: 11/07/ SUBM DATE: 23Dec63  
 OC  
 Card 1/1  
 UDC: 678.743.22-134.22

L 27964-66 EWT(m)

ACC NR:AP6017680

SOURCE CODE: UR/0097/65/000/012/0018/0020

AUTHOR: Polyakov, I. D. (Engineer); Shcherbina, K. B. (Engineer)

ORG: none

TITLE: Experimental investigation of the functioning of an open reinforced concrete span structure under horizontal loads

SOURCE: Beton i zhelezobeton, no. 12, 1965, 18-20

TOPIC TAGS: reinforced concrete, stress analysis

ABSTRACT: Experimental investigations into the operation of an open span under the influence of horizontal loads reveal considerable deviations of the actual stress state of the structure from the results of an approximate theoretical calculation and show that the calculation methods now in use are suitable only for approximate estimates of force factors in the structure. The final calculation should be made by a stricter method, consideration being given to the functioning of the structure as a spatial system, allowing proper distribution of material among the individual elements of the span and, therefore, more efficient planning of the structure. The method now in use, based on technical conditions SN 200-62, should be made more accurate. Tables are presented comparing the stress experimentally found for each structural member with that calculated by the formulas. The experiments were performed with a plexiglas model of the reinforced concrete structure under consideration. A photograph and diagram of the model are presented. Orig. art. has 2 figures and 3 tables. [JPRS]

SUB CODE: 11, 20 / SUBM DATE: none

UDC: 624.023.87:012.45:620.17

SHCHERBINA, K. G.

"Influence of the Aeration of a Nutrient Medium Using Various Sources of Nitrogen on the Metabolism and Growth of Plants." Sub 1: Jan 51, All-Union Sci Res Inst of Fertilizers, Agricultural Engineering and Soil Science.

Dissertations presented for science and engineering degrees in Moscow during 1951.

*Canal City Sci*  
SO: Sum. No. 480, 9 May 55

TYULIN, A.F.; KUSHNIRENKO, S.V.; SHCHERBINA, K.G.

Mineral nutrition of oak and associated vegetation on the dark-gray forest  
soils. Pochvovedenie '53, No.3, 19-28. (MLRA 6:3)  
(Ca 47 no.21:11631 '53)

1. Inst. Forestry, Acad. Sci. U.S.S.R., Moscow.

SNCHFFBINA, K.C.

Effect of the disinfection of soil with nematocides on the  
physiological processes in cucumber plants. Trudy VIZR  
no.20:47-50 pt.4 '64. (MIRA 18:12)

*SHCHERBINA, K. G.*

USSR/Biology      Agrochemistry

Card               : 1/1

Authors           : Tyulin, A. F., and Shcherbina, K. G.

Title              : Biological nitrogen and phosphorus cycle between vegetation and  
soil in broad-leaf forests of the southern part of the forest region  
during the vegetative period.

Periodical       : Dokl. AN SSSR, 97, Ed. 1, 125 - 128, July 1954

Abstract          : Scientific views are presented on the biological N- and P cycle  
between the vegetation (Oak) and the soil. Eleven references:  
8 USSR, 1 USA, 1 German and 1 Czech. Graphs.

Institution       : Acad. of Sc. USSR, Forestry Institute

Presented by     : Academician, V. N. Sukachev, May 5, 1954

SKIPIN, A.I., Kandidat tekhnicheskikh nauk, inzhener.  
SHCHERBINA K.P., inzhener

Complex purification of soybean oil with recovery of a phosphatide concentrate. Maslo zhirnykh produktov, 1952, No. 4-5 Ja '52. (MLRA 10:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Skipin).
2. Leningradskiy gosudarstvennyy universitet (for Shcherbina).  
(Phosphatides)

SKIPIN, A.I., kand.tekhn.nauk; YERMOLIN, S.S., inzh.; SHCHERBINA, K.P.,  
inzh.

Stabilization of phosphatides in sunflower oil, and preparation  
of salad oil. "asl.-zhir.prom. 26 no.8:28-30 4g '60.  
(MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for  
Skipin). 2. Labinskiy maslozavod (for Yermolin, Shcherbina).

(Phosphatides)

(Sunflower seed oil)

(Oils and fats, Edible)

SKIPIN, A.I., kand.tekhn.nauk; YERMOLIN, S.S., inzh.; SHCHERBINA, K.P., inzh.

Continuous hydration of pressed sunflower seed oil. Masl.-  
zhir.prom. 23 no.4:22-24 Ap '62. (MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for  
Skipin). 2. Labinskiy masloboynyy zavod (for Yermolin,  
Shcherbina).

(Sunflower seed oil)

110  
SHERBINA, L G.

Dynamics of accumulation of bitter substances in hops  
zones in the course of growth. I. N. Golubinski and L.  
G. Sherbina. *Doklady Akad. Nauk S.S.S.R.* 65, 177 9.  
(1949). The accumulation occurs principally in late  
summer (August) and no appreciable decline takes place in  
later months. G. M. Kosolapoff

NOVIK, I.O. (Kiyev); SMOLYANOVA, R.I. [deceased] (Kiyev);  
URBANOVICH, L.I. (Kiyev); SHCHERBINA, L.G. (Kiyev)

Histologic picture of the parodontium in parodontosis in  
animals. Probl.stom. 6:11-24 '62. (MIRA 16:3)  
(GUMS—DISEASES) (VETERINARY PATHOLOGY)

CECHERBINA, L.G., assistant (Kiyev)

Tissue therapy in the compound treatment of paradentosis. Probl.  
chel.-lits. khir. no.1:174-177 '65.

(MIRA 18:10)

SHCHERBINA, L.G. (Kiyev)

Effectiveness of tissue therapy in paradentosis. Probl.stom.

6:116-121 '62.

(MIRA 16:3)

(GUMS—DISEASES)

(TISSUE EXTRACTS)

SHCHERBINA, L.G.

Cytological picture of the contents of the gingival pockets  
before and after a compound treatment of paradentosis. Vrach.  
delo no.9:99-103: 8: 3. (MIRA 16:10)

1. Kafedra cheluyustno-litseyoy khirurgii i stomatologii (zav.  
prof. E.A.Aleksandrova) Kiyevskogo instituta usovershenstvova-  
niya vrachey.

(GUMS—DISEASES)

2c  
L 26109-65 ENT(1)/ENT(m)/ENP(w)/ENA(d)/EFR/T/ENP(t)/ENP(b) Ps-l IJP(c)  
S/0149/64/000/004/0124/0129  
ACCESSION NR: AP4047492 MJW/JD

AUTHOR: Livanov, V. A.; Bukhanova, A. A.; Kolachey, B. A.; Neuverova-Skobeleva, N. P.; Slavina, I. I.; Sheynin, B. Ye.; Shoharbina, L. V.

TITLE: Effect of hydrogen on the mechanical properties of titanium and OT4-1 alloy

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 4, 1964, 124-129

TOPIC TAGS: titanium, titanium alloy, titanium mechanical property, titanium alloy strength, hydrogen content, brittle failure/alloy OT4-1

ABSTRACT: The aim of this work was to study the influence of hydrogen on the mechanical properties of OT4-1 alloy, particularly on the impact strength, and to establish the maximum permissible hydrogen content at which the high resistance of the metal to brittle failure is still retained. For comparison, identical tests were carried out on technical-grade titanium, brand VT1-1. It was found that of all the properties studied, the impact strength of VT1-1 and OT4-1 was the most sensitive to changes in hydrogen content. The lower this content, the lesser the tendency of the titanium alloys toward brittle failure. The authors were unable to establish the maximum permissible hydrogen

Cord 1/2

L 26109-65

ACCESSION NR: AP4047492

content and indicate the need for further investigations in this direction. Heating of OT-4 to 900C followed by cooling in air or in water reduces the adverse effect of hydrogen on the impact strength (at the hydrogen contents studied, i.e., up to 0.01%). However, additional experiments are needed for a better understanding of the stability of the properties obtained during the heat treatment and in the course of natural and artificial aging. Orig. art. has: 5 figures and 5 tables.

ASSOCIATION: Kafedra metallovedeniya i tekhnologii termicheskoy obrabotki, Moskovskiy aviatsionnyy tekhnologicheskiy institut (Metal science and heat treatment department, Moscow aviation technology institute)

SUBMITTED: 30Aug63

ENCL: 00

SUB CODE: MM

NO REF SOV: 002

OTHER: 001

Card 2/2

L 6949-65 EWG(j)/EWG(r)/EWT(l)/A/FS(v)-3/EWG(v)/EWG(a)/EWG(c) Pe-5/Pb-1

AFTC(b)/AMD/AFWL/SSD/AFETR/ASD(r) DD

ACCESSION NR: AT4045948

S/3111/63/062/000/0081/0085

AUTHOR: Lorents, O. G.; Arav, V. I.; Shcherbina, L. Yu.

64  
63

TITLE: Effect of ACTH and adrenocortical hormone preparations on the survival of animals during acute oxygen insufficiency

SOURCE: Dushanbe. Gosudarstvennyy meditsinskiy institut. Trudy\*, v. 62, 1963. Voprosy fiziologii i patologii vy sokogor'ya; trudy nauchnoy konferentsii, 1962. (Problems of the physiology and pathology of Alpine regions; transactions of the 1962 scientific conference), 81-85

TOPIC TAGS: hypoxia, oxygen deprivation, acute oxygen lack, adrenal, adrenocortical activity, adrenocortical hormone, stress, ACTH

ABSTRACT: The authors report the results of experiments with rats and mice indicating that adrenalectomy decreases the resistance to hypoxia, as does the suppression of pituitary ACTH secretion, while administration of cortisone increases resistance to hypoxia in adrenalectomized but not in intact animals. When rats were placed in a pressure chamber (equivalent height of 2 km) 7 days after bilateral adrenalectomy, survival was prolonged by prior treatment with cortisone (10 mg/day x 2) but not by desoxycorticosterone (5 mg/day x 2); in intact rats, the latter hormone lowered resistance to acute hypoxia. Stimulation of adrenal

Card 1/2

L 6949-65

ACCESSION NR: AT4045948

secretion with ACTH in intact mice had no effect on their resistance to acute hypoxia (altitude of 10 km), nor on the fatal outcome of nitrite poisoning (methemoglobinemia). In vitro studies showed that the local resistance of intestinal tissue to hypoxia (suspension in a medium gassed with hydrogen) was also unaffected by either ACTH or cortisone. Finally, rats were found to be more sensitive to hypoxia (12 km) at high temperatures (37-39C) than at normal temperatures, and under these conditions large doses of cortisone (2-5 mg/day) decreased the resistance still further, while smaller doses had no effect. Orig. art. has: 2 tables.

ASSOCIATION: Tadzhikskiy meditsinskiy Institut Im. Abuali Ibni Sino, Dushanbe (Tadjik Medical Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NO REF SOV: 006

OTHER: 005

Card 2/2

SHCHERBINA, M.

Functional and morphological importance of the nasal cavity  
in fishes. Nauk.zap.Kiev.un. 8 no.3:85-89 '49. (MLRA 9:10)

(Fishes--Anatomy)

SHCHERBINA, M.

When will the spare parts arrive? Prom. koop. no. 5:01 My '58.  
(MIRA 11:4)

1. Tekhnoruk arteli "Raznoproiz," Armavir.  
(Sewing machines--Maintenance and repair)

KUKHTO, N; KARZOV, V., inzh. (Gatchina, Leningradskoy oblasti); RADOMSKIY, R.; SHCHERBINA, M.

Innovator contribution to industry. From.koop. 14 no.8:18 ag  
'60. (MIRA 13:8)

1. Tekhnoruk arteli "Rodina" g.Bobruysk (for Kukhto). 2. Tekhnoruk  
arteli "Oeremoga," g.Chernovtsy (for Radomskiy). 3. Tekhnoruk  
arteli "Raznoprom," g.Armavir (for Shcherbina).  
(Technological innovations)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548910012-0

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CIA-RDP86-00513R001548910012-0"

SHCHERBINA, M.G.

Prevention and treatment of radiation lesions of the skin  
and of the mucous membrane. Vest.rent. i rad. no.5:40-42  
S-O '55. (MLRA 9:1)

1. Iz ginekologicheskogo otdeleniya (i.o. zav. M.G.Shcherbina)  
Tsentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo  
instituta (dir.--prof. M.N.Pobedinskiy) Ministerstva zdravookhra-  
neniya SSSR.

(PLANTS,

phytoncides, prev. of radiation lesions of skin)

(X-RAYS, inj. eff.

skin lesions prev. & ther. with phytoncides)

(SKIN, dis.

lesions caused by roentgen rays, prev. & ther. with phytoncides)

SHCHERBINA, M.G.; STUKOVA, L.M.

Treatment of cancer of the cervix uteri with radiocobalt in a gamma-ray apparatus in association with intracavitary irradiation. Vest. rent. 1 rad. 31 no.3:26-31 My-Je '56. (MIRA 9:9)

1. Iz ginekologicheskoy kliniki (i.o. zav. M.G.Shcherbina) Tsentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya SSSR (dir. - prof. M.N.Pobedinskiy)

(COBALT, radioactive,

ther. of cancer of uterus, with intracavitary radium

ther. (Rus))

(RADIUM, therapeutic use,

cancer of uterus, intracavitary application with

external radiocobalt ther. (Rus))

(UTERUS, neoplasms,

ther., radiocobalt with intracavitary radium ther. (Rus))

SHCHERBINA, M.G.; KHOLIN, V.V.

Peculiarities in the restoration of ovarian function after  
curietherapy for cervical cancer. Akush. i gin. 33 no.1:95-96  
Ja-F '57 (MLRA 10:4)

1. Iz Tsentral'nogo nauchno-issledovatel'nogo rentgeno-  
radiologicheskogo instituta (dir.-prof. M.N. Pobedinskiy)

(CERVIX NEOPLASMS, ther.

radium, post-ther. restoration of ovarian funct.) (Rus)

(RADIUM, ther. use

cancer of cervix, post-ther. restoration of ovarian  
funct.) (Rus)

(OVARIES, physiol.

restoration of funct. after curiether. of cancer  
of cervix) (Rus)

-SHCHERBINA, M.G.; STUKOVA, L.M.; STRUTSOVSKAYA, S.V.; REPINA, V.A.

Treatment of primary cancer of the vagina with radioactive cobalt  
with an evaluation of remote results. Med. rad. 5 no.9:67-70 S  
'60. (MIRA 13:12)

(VAGINA--CANCER)

(COBALT--ISOTOPES)

Shcherbina, M. K.

*M.K.*

✓Protection of cable sheaths and packing materials against rodents. M. K. Shcherbina and P. F. Lastanchuk. U.S.S.R. 105,103, Mar. 25, 1957. The materials are protected against rodents by impregnation with petroleum, natural or shale bitumen, or coal tar. Packing materials are protected by satn. with molten bitumen or bitumen in soln. M. Hosh

GAN'KOV, Aleksandr Aleksandrovich, nauchnyy sotr.; PLATONOV, Vladimir Erosovich, nauchnyy sotr.; TRUSKANOV, Mikhail Davydovich, nauchnyy sotr.; SHCHERBINO, Marat Nikolayevich, nauchnyy sotr.; GLADKOV, V.A., red.; BARANOV, I.A., tekhn. red.

[Handbook on hydroacoustical fish-locating apparatus] Spravochnik po ryboposkovym gidroakusticheskim priboram. Murmansk, Murmanskoe knizhnoe izd-vo, 1961. 141 p. (MIRA 14:12)

1. Polyarnyy nauchno-issledovatel'skiy i proyektnyy institut rybnogo khozyaystva i okeanografii im. N.M.Knipovicha (for Gan'kov, Platonov, Truskanov, Shcherbino).  
(Sonar in fishing)

SHCHERBIN, V.A.

TITOV, N.D.

25(1, 7)

PHASE I BOOK EXPLOITATION 80V/5281

Authors: Boris Prokop'yevich, Aron Abramovich Mosyak, Vileniy Markianovich Nibiforov, Georgiy Ivanovich Pogodin-Alekseyev, Nikolay Dmitriyevich Titov, Boris Gavrilovich Shpital'nyy, and Nikolay Aksemt'yevich Shcherbina

Technological vashneyshikh otrasley promyshlennosti, chast' 2: Mashinostroyeniye; uchebnoye posobiye dlya vysshikh partinykh shkol (Manufacturing Processes of the More Important Branches of Industry, Part 2: Machinery Manufacture.) Manual for Higher Party Schools) Moscow, Izd-vo VSES i AON pri TsK KPSS, 1959. 376 p. 15,600 copies printed.

Sponsoring Agency: Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partynaya shkola. Naftna promyshlennogo proizvodstva i stroitel'stva.

Eds.: G.I. Pogodin-Alekseyev, A.G. Kozhikh, and D.E. Reysel'man; Tech. Ed.: K. M. Mamov.

PURPOSE: This textbook is intended for students of higher party schools.

COVERAGE: The book deals with manufacturing processes in the machine industry. Rolling, drawing, pressing, forging, and stamping of metals are discussed in Part I, founding in Part II, welding and gas cutting in Part III, and metal cutting in Part IV. No personalities are mentioned. There are no references.

Card 1/9

BALANDIN, Gennadiy Fedorovich; POGODIN-ALEKSEYEV, Georgiy Ivanovich, doktor tekhn.nauk, prof.; RAZUMOV, Nikolay Alekseyevich; SHPITAL'NIY, Boris Gavrilovich; SHCHERBINA, Nikolay Avksent'yevich; KOKOSHKO, A.G., red.; NAUMOV, K.M., tekhn.red.

[Hot working of metals] Goriachaya obrabotka metallov. Moskva, Izv-vo VPSH i AON pri TsK KPSS, 1960. 148 p. (Dostizheniya nauki i tekhniki i peredovoi opyt v promyshlennosti i stroitel'stve, no.3). (MIRA 1318)

(Metalwork)

SHCHERBINA, N.A.; LEONT'YEV, A.P.

Production of hyperfine tin plate. Biul.tekh.-ekon.inform.Gos.  
nauch.-issl.inst.nauch.i tekh.inform. 17 no.1:97-100 '64.  
(MIRA 17:2)

SHCHERBINA, N.F. (Lugansk)

Use of homemade maps during the economic geography lessons in  
secondary schools. Geog. v shkole 26 no.1:50-52 Ja-F '63.  
(MIRA 16:5)

(Geography, Economic—Study and teaching)

L 27272-65 EWT(m)/EPF(c)/EWP(v)/EPR/EWP(j)/T pc-4/pr-4/ps-4 WW/RM

ACCESSION NR: AP4009841

S/0191/64/000/001/0073/0073

AUTHORS: Andrianova, N.V.; Reytlinger, S.A.; Shcherbina, N.G.;  
Yasminova, L.I.

TITLE: Cementing polyethylene terephthalate film <sup>15</sup>

SOURCE: Plasticheskiye massy\*, no. 1, 1964, 73 <sup>32</sup><sub>29</sub><sup>8</sup>

TOPIC TAGS: polyethylene terephthalate, film, cementing welding  
cementing techniques, polyester resin cement, polyethylene tere-  
phthalate film, TF-60 polyester resin cement, TF-60

ABSTRACT: The literature on welding <sup>15</sup> and cementing polyethylene  
terephthalate film is discussed. The following cementing technique  
is proposed using ethylene glycol polyesters of terephthalic or  
sebacic acids as the adhesive. <sup>15</sup> A methylene chloride solution of  
polyester TF-60 is brushed on the film to be cemented. For a film  
12 microns thick the desired seam width is 5-10 mm.; for 25 micron  
film, 10-15; and for 50 micron film, 15-20. The layer of resin  
between the film should be 8-10 microns thick. The film is air  
dried for 3-5 minutes to remove the solvent; the coated film is

Card 1/2

L 27272-65

ACCESSION NR: AP4009841

laid and rolled with rollers heated to 150-1700 at a rate of 1 m./min. at 1-1.5 kgs/cm<sup>2</sup> pressure. Instead of applying a resin solution, tapes of TF-60 resin on various backings may be inserted between the film and rolled as before. Orig. art. has: 1 table

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: OC, MT

NR REF SOV: 004

OTHER: 013

Card 2/2

SUKHANOV, V.V.; PETROCHENKOV, T.A.; SMIRNOV, G.N.; KOMYAKHIN, Yu.Ya., inzh.;  
MOROZOVA, T.A.; GORSHKOV, V.V.; YEROSHENKO, N.A.; SHCHERBINA, N.P.

Letters to the editor. Put' i put.khoz. 4 no.11:44-45 N '60.

(MIRA 13:12)

1. Dorozhnyy master, st. Syamba, Severnoy dorogi (for Sukhanov).
  2. Starshiy dorozhnyy master, st. Moskva-Kurskaya (for Petrochenkov).
  3. Dorozhnyy master 5-go okolojka, st. Khovrino, Oktyabr'skoy dorogi (for Smirnov).
  4. Putevaya rabochaya st. Peshetnikovo, Oktyabr'skoy dorogi (for Morozova).
  5. Starshiy putevoy rabochiy, st. Reshetnikovo, Oktyabr'skoy dorogi (for Gorshkov).
  6. Predsedatel' komissii partiynogo kontorlya po zhilishchno-bytovym voprosam, st. Aksakovo, Knybyshevskoy dorogi (for Yeroshenko).
  7. Inzhener distantsii, st. Nadezhdinsk-Sortirovochnyy, Sverdlovskoy dorogi (for Shcherbina).
- (Railroads)

SHCHERBINA, N.P., inzh.

Engineers are swamped with unnecessary correspondence work. Put' i  
put.khoz. 7 no.2:25 '63. (MIHA 16:2)

1. Stantsiya Nadezhdinsk-Sortirovochnyy, Sverdlovskoy dprogi.  
(Railroads--Mangement)

SHCHERBINA, N.S.; TSYBENKO, V.V.

Regulating the operation of 55-V compressors. Sbor. nauch. trud.  
KGRI no.19:11-14 '62. (MIRA 16:5)

(Air compressors)

(Automatic control)

SHCHERBINA, N.V.

Sulfonation of biomycin in order to reduce its losses in  
the production. Spirt. prom. 29 no.8:31 '63. (MIRA 17:2)

1. Lotoshinskiy spirtovoy zavod.

SHCHERBINA, O.A. [Shcherbina, O.A.]

Utilizing decorative trees and shrubs for planting roadsides with  
verdure. Dop. ta pov. L'viv. un. no.7 pt. 3: '46-47 '57.

(Roadside improvement) (Trees) (Shrubs) (MIRA 11:2)

SHCHERBINA, O.A. [Shcherbyna, O.A.]

The park at Zhuravno. Dop. ta pov. L'viv. un. no.7 pt.3;

47-49 '57..

(Zhuravno--Parks)

(MIRA 11:2)

YANONIN, V.F. [Yanovits', V.F.]; PASHCHENKO, A.A. [Pashchenko, O.O.],  
kand.tekhn.nauk; HROSHOVA, V.M. [Hroshova, V.M.], kand.tekhn.nauk;  
SHCHERBINA, G.M. [Shcherbina, G.M.]

Ceramic grates made from bonded refractory granules for fluidized  
bed chemical reactors. Khim.prom. [Ukr.] no.2:55-57 Apr-Je '65.  
(MIRA 18:6)

SPIVAK, M.S., glavnyy redaktor; BILOZUB, V.G., redaktor; VASILENKO, P.M., redaktor; ZORIN, I.G., redaktor; IL'CHENKO, I.K., redaktor; KOVAL', O.G., redaktor; KRILOV, O.F., redaktor; PUKHAL'S'KIY, A.V., redaktor; SIDORENKO, O.P., redaktor; FEDCHENKO, O.N., redaktor; ANGELINA, P.M., redaktor; BUZANOV, I.F., redaktor; BOYKO, D.V., redaktor; BURKATS'KA, G.E., redaktor; VASILENKO, A.O., redaktor; VLASYUK, P.A., redaktor; GORODNIY, M.G., redaktor; DEMIDENKO, T.T., redaktor; DUBKOVETS'KIY, F.I., redaktor; KIRICHENKO, F.G., redaktor; LITOVCHENKO, G.P., redaktor; OZERNIY, M.O., redaktor; PERSHIN, P.M., redaktor; POPOV, F.A., redaktor; POSMITNIY, M.O., redaktor; PSHENICHNIY, P.D., redaktor; RADCHENKO, B.P., redaktor; POMAHENKO, S.S., redaktor; RUBIN, S.S., redaktor; SAVCHENKO, M.Kh., redaktor; SOKOLOVS'KIY, O.N., redaktor; TSIBENKO, K.O., redaktor; SHCHERBINA, O.P., redaktor; KRAVCHENKO, M.F., tekhnichnyi redaktor

[Collective farm encyclopedia] Kolhospna vyrobnycha ensyklopediia. Vyd. 2-e, perer. i dop. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR. Vol.1. Abrykos - Liutserna. 1956. 756 p. (MIRA 9:9)  
(Agriculture--Encyclopedias and dictionaries)

SOROKIN, A.A., inzh., KUTCHENKO, A.D., inzh., KARPUNIN, A.M., inzh.;  
REKHUIS, G.N., inzh.; SHCHERBINA, P.A., inzh., ORGIYAN, V.S., inzh.

Rails made of basic Bessemer steel with top oxygen blowing.  
Stal' 24 no.5:417-418 My '64. (MERA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo.

BESEDIN, P.T.; SOROKIN, A.A.; FILONOV, I.G.; KARPUNIN, A.M.;  
CHEPELEV, P.M.; SHCHERBINA, P.A.; AVDEYEV, M.G.; KUTSENKO,  
A.D.; TSELYUKO, V.I.; CHERNEVICH, Ye.M.; ORGIYAN, V.S.;  
CHERNETA, Z.A.

Improving the technology of the heat treatment of rails  
at the Dzerzhinskii Plant for the purpose of increasing  
their durability in tracks. Stal' 24 no.5:445-448 My '64.  
(MIRA 17:12)

1. Dneprovskiy metallurgicheskii zavod im. Dzerzhinskogo i  
Ukrainskiy nauchno-issledovatel'skiy institut metallov.

KARPUNIN, A.M.; PROSVIRIN, K.S.; BESEDIN, P.T.; ORGIYAN, V.S.;  
BAPTIZMANSKIY, V.I.; SHCHERBINA, P.A.; REKHLIS, G.N.

Rails made of low-alloy, acid, Bessemer steel. Stal' 24  
no.5:448-451 My '64. (MIRA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo,  
Dnepropetrovskiy metallurgicheskiy institut i Ukrainskiy  
institut metallov.

SHCHERBINA, P. F.: Master Biol Sci (diss) -- "Embryonic and postembryonic development of geese in connection with natural and artificial incubation of them". Khar'kov, 1958. 1<sup>h</sup> pp (Min Agric USSR, Khar'kov Vet Inst), 150 copies (KL, No 1, 1959, 118)

SKURATOV, Ilarion Sergeyevich, kand. sel'khoz. nauk; SHCHERBINA,  
Petr Filippovich [Shcherbyna, F.P.], kand. sel'khoz. nauk;  
KUZ'MINA, M.F., red.; GULENKO, O.I. [Hulenko, O.I.], tekhn.  
red.

[Raising ducklings for meat] Vyroshchuvannia kacheniat na  
m'iaso. Kyiv, Derzhsil'hospvydav, 1963. 39 p.  
(MIRA 17:1)

SHCHEBINA, P.I.

Correction of erroneous information. Vestsi AN BSSR Ser. fiz-  
tekh. nav. no.1:5-11 '64 (MIRA 17:7)

SHCHUPINA, I.I.

Theory of p-coding. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.4:  
9-15 '84. (MIRA 18:3)

BYKHOVETS, A.U., doktor sel'khoz. nauk; SHCHERBINA, P.F., kand.  
sel'khoz. nauk; DE-CHENKO, P.O., st. nauchn. sotr.;  
SULIM, M.I., aspirant; KUZ'MINA, M.F., red.; NEMCHENKO,  
I.Yu., tekhn. red.

[Care and maintenance of young fowl] Dohliad ta utrymannia  
molodniaka ptytsi. Kyiv, Derzhsil'hospvydav URSR, 1963.  
86 p. (MIRA 17:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut ptitse-  
vodstva (for all except Kuz'mina, Nemchenko).

SHCHERBINA, P.I.

Arithmetical codes correcting errors of a given type.

Vestsi AN BSSR. Ser.fiz.-mat.nav. no.2:31-40 '65. (MIRA 19:1)

Agriculture

Agriculture, Bookva, Gen. Ad-vo sel'khoz. Library, 1952.

2. ANNUAL REPORT OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, Library of Congress, October 1952. Incl.

SHCHERBINA, Pavel Semenovich; NEKRASOV, V.Yu., spetsredaktor; TETYUREVA, I.V.,  
redaktor; PAVLOVA, M.M., tekhnicheskii redaktor

[Beekeeping] Pchelovodstvo. Izd. 2-oe, perer. Moskva, Gos. izd-vo  
selkhoz. lit-ry, 1956. 622 p. (MIRA 10:1)  
(Bee culture)

SECHERBINA, P.S.

[Beekeeping] Pchelovodstvo. 3.izd. Moskva, Gos.izd-vo selkhoz  
lit-ry, 1958. 622 p. (MIRA 12:3)  
(Bee culture)

SHCHERBINA, Pavel Semenovich; Prinimal uchastiye YAKUSHA, I.V., inzh..  
ZAVARSKIY, A.I., red.; MAKHOVA, N.N., tekhn.red.; GOR'KOVA, Z.D.,  
tekhn.red.

[Bee culture] Pchelovodstvo. Izd. 4., perer. i dop. Moskva, Gos.  
izd-vo sel'khoz.lit-ry, 1959, 663 p. (MIRA 13:6)  
(Bee culture)

SHCHERBINA, Pavel Semenovich; PETROVSKAYA, L.P., red.; TARANOV, G.F.,  
red.; SHCHEPTEVA, T.A., tekhn.red.

[In the world of bees; textbook for students] V mire pchel;  
posobie dlia uchashchikhsia. Moskva, Gos. uchebno-pedagog.  
izd-vo M-vs prosv.RSFSR, 1960. 127 p. (MIRA 13:8)  
(Bees)

SHCHERBINA, P.S.

[Bee culture] Umartachylyk; ochenche basma. Kazan, Tatarstan  
kitap neshriiaty, 1960. 690 p.

(MIRA 14:1)

(Bee culture)

PAKHMAN, T.A., kand. ekonom. nauk; MEZHOVA, E.V., kand. tekhn. nauk;  
OLEYNIK, G.A., inzh.; YUDINA, N.V.; BERNGARD, K.A., doktor tekhn.  
nauk, prof.; FRGLCV, I.A., inzh.; TIKHONCHUK, Yu.N., kand. ekon.  
nauk; Frinimali uchastiye: AVAK'YANTS, N.M., inzh.; SHCHERBINA,  
R.M., inzh.; PETROVA, V.L., red.

[Organization of the railroad transportation of petroleum and  
chemical liquid cargo.] Organizatsiia zheleznodorozhnykh pere-  
vozok neftiannykh i khimicheskikh nalivnykh грузов. Moskva, Trans-  
port, 1964. 119 p. (Trudy Vsesoiuznogo nauchno-issledovatel'skogo  
instituta zheleznodorozhnogo transporta no.279).

(MIRA 17:12)

S/096/62/000/012/001/003  
E194/E135

AUTHORS: Komm, P.S., Lapuzin, V.S., Nemirov, V.S.,  
Fridman, A.Ye., and Shcherbina, S.A. (Engineers)

TITLE: The control system of a 50 MW gas turbine of the  
Khar'kov Turbine Works

PERIODICAL: Teploenergetika, no.12, 1962, 37-44

TEXT: The 50 MW gas turbine type TTY-800 (GTU-800) is of open cycle design, burns natural gas at a pressure of 22 atm, and provides heat for district heating. The h.p. combustion chamber, turbine, compressor and l.p. compressor and starting motor are on one shaft. On a second shaft, side by side with the first, are the l.p. combustion chamber, turbine, and m.p. compressor, alternator and geared exciter/starter motor. The first shaft speed is variable and at full-load is 3600 r.p.m.; the second shaft runs at a constant speed of 3000 r.p.m. The gas distribution arrangements are described. The control arrangements, described in detail, consist of two main systems: speed control and anti-surge control; in addition there are auxiliary systems for run-up control, overspeed protection on dropping load, excess temperature

Card 1/3

The control system of a 50 MW gas ... S/096/62/000/012/001/003  
E194/E135

protection and others. The speed control pick-up is a low output centrifugal pump (impeller) on the l.p. shaft; there is a two-stage amplification with hydraulic positive and negative feedback. An accelerator (differentiator) is provided to make the speed governor operate quickly. The anti-surfing control is very similar in principle to the speed governor and also uses two-stage amplification; the pick-up operates according to the speed of the h.p. shaft instead of according to the compressor air flow and pressure, which is the more usual. The operation of the system is explained and the construction of the various valves and other components is illustrated diagrammatically. The run-up controller takes over when the starter motor has run the l.p. shaft up to 1200-1400 r.p.m. and automatically brings its speed up to 2750 rpm, when the speed governor takes over. Auxiliary circuits which prevent false starts when the electrical load is thrown off are described. The temperature controller uses as pick-ups low inertia thermocouples in the h.p. and l.p. turbine exhaust ducts; they commence to operate if the temperature rises 15 °C above the normal value and shut down the set at 25 °C excess temperature. ✓

Card 2/3

The control system of a 50 MW gas ... S/096/62/000/012/001/003  
E194/E135

The overspeed governor is independent of the main speed governor and cuts off the fuel supply. Selection of the control arrangements is discussed and design principles are explained, with particular reference to dynamic stability. Transient process performance curves of the control system show that it is stable. There are 9 figures.

ASSOCIATION: Khar'kovskiy turbinnyy zavod  
(Khar'kov Turbine Works)

Card 3/3

KOMM, P. S., inzh.; LAPUZIN, V. S., inzh.; MEMIROV, V. S., inzh.;  
FRIDMAN, A. Ye., inzh.; SHCHERBINA, S. A., inzh.

Dynamics of the control of a GTU-50-800 gas turbine system  
manufactured by the Kharkov Turbine Plant. *Energomashinostroenie*  
8 no.12:1-7 D '62. (MIRA 16:1)

(Gas turbines)

KLURFEL'D, A.I., inzh.; KORNEYKO, V.N., inzh.; RULLIT, R.A., inzh.;  
SAMORODSKIY, L.F., inzh.; FRIDMAN, A.Ye., inzh.; SHCHERBINA,  
S.A., inzh.

Control system of a PVK-150 turbine and some special features  
of its adjustment. Teploenergetika 11 no. 1:67-72 Ja '64.  
(MIRA 17:5)

1. Khar'kovskiy turbinnyy zavod im. S.M.Kirova.

DZYSYUK, A.A., inzh.; KALININA, N.M., tekhnik; KOSTRIKIN, Yu.M., kand. tekhn.  
nauk.; PETROVA, S.Yu., tekhnik; RUMYANTSEVA, V.A., inzh.; TOBOLEVA,  
A.D., tekhnik; SHTERN, O.M., inzh.; SHCHERBINA, S.D., inzh.

New chemical water analysis techniques. Elek. sta. 35 no.7:31-34  
Jl '64. (MIRA 17:11)

LITVINOV, M.A.; <sup>4</sup>SHCHERBINA, T.S.

Significance of microscopic parasitic fungi for different  
phtocoenoses in the arid steppes of Kazakhstan. Bot.zhur.  
43 no.11:1593-1595 N '58. (MIRA 11:11)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR, Leningrad.  
(Kazakhstan--Fungi, Phytopathogenic) (Plant communities)

VAKIN, A.T.; VASIL'YEVA, L.N.; GOLOVIN, P.N.; KOMARNITSKIY, N.A.; LITVINOV,  
M.A.; SOSIN, P.Ye.; STRAKHOV, T.D.; TETEREVNIKOVA-BABAYAN, D.N.;  
CHEREMISIYNOV, N.A.; SHCHERBINA, T.S.

"Bracket fungi of the European part of the U.S.S.R. and the Caucasus"  
by A.S. Bondartsev. Reviewed by A.T. Vakin and others. Bot. zhur.  
44 no.3:412-414 Mr '59. (MIRA 12:7)  
(Wood-decaying fungi) (Bandartsev, A.S.)

VASIL'YEVA, L.N.; SHCHERBINA, T.S.; LITVINOV, M.A.; SOSIN, P.Ye.

"An outline of geographical distribution of mushrooms in the U.S.S.R." by B.P.Vasil'kov. Reviewed by L.N.Vasil'eva and others. Bot.zhur. 44 no.9:1359-1363 S '59. (MIRA 13:2)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR, Leningrad.  
(Fungi) (Vasil'kov, B.P.)

LITVINOV, M.A.; GOLLAND, M.I.; SHCHERBINA, T.S.

Use of fluorescence analysis in the study of lichens. Izv. AN  
SSSR. Ser. biol. no.3:459-464 My-Je '60. (MIRA 13:7)

1. Botanicheskiy institut im. V.L.Komarova, Akademii nauk SSSR i  
Opticheskiy institut im. S.I. Vavilova.  
(LICHENS) (FLUORESCENCE)

SHCHERBINA, T.S.

Smut fungi of the Karelian Isthmus. Bot. zhur. 46 no.12:1819-  
1824 D '61. (MIRA 15:1)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR,  
Leningrad.

(Karelian Isthmus--Smuts)

[illegible]

Operable until over. Recovery period no. 11 of 95 8 105.

1. Kabanskij sel'skokhozyaystvennyy inst'tut. Submittirov.  
Izv. 25, 1965.

SPCHERBINA, T. V.

"Benthonic Fauna of the Vyritsa (Credezh River) Reservoir in the First Year of Its Existence." Leningrad State Pedagogic Institute A. I. Gertsen, Chair of Zoology and Darwinism, Leningrad, 1955. (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

MIKHINA, Tat'yana Nikolayevna; FROLOVA, Yelena Nikolayevna; SHCHERBINA, Tat'yana Vladimirovna; KAFYSHEVA, V.S., red.; MURASHOVA, V.A., tekhn. red.

[Laboratory manual on the zoology of invertebrates] Praktikum po zoologii bezpozvonochnykh. Pod red. E.N. Frolovoi. Moskva, Vysshaia shkola, 1962. 207 p. (MIRA 15:11)  
(Invertebrates)

SHCHERBINA, Vl.

Third All-Union Conference on Metallogeny. Geokhimiia no.2:185-  
187 P '63. (MIRA 16:9)

BIDKOVA, L.M.; BURLYA, T.G.; YEPISHIN, N.P.; LADUT'KO, S.V.; SHCHERBINA, V.A.

Effect of bone marrow homotransfusions on the clinical course and  
biochemical changes in acute radiation sickness. Gemat. i perel.

krovi 1:99-102 '65.

(MIRA 18:10)

1. Vinnitskiy meditsinskiy institut.

SHCHERBINA, V.A.

Regularization of the product of generalized functions of the  
causal type. Vop. mat. fiz. i teor. funk. no.1:180-191 '64.  
(MIRA 18:2)

SHCHERBINA, V.A.

Swivel feeders for charging flasks and caissons with molding  
mixtures, Lit. proizv. no.1:25-27 Ja '59. (MIRA 12:1)  
(Foundry machinery and supplies)

18(5), 25(1)

SOV/128-59- 5-12/35

AUTHOR: Shcherbina, V.A. and Cherkashin, A.I., Engineers

TITLE: Drying Sand in Air Flow

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 5, pp 24 (USSR)

ABSTRACT: The author gives a description of the disadvantages of the sand drying machine SOGB-4. A new drying furnace operating with hot air and the transport of sand is described. The invention was made by Professor Aksenovyy in 1943. The principle (Fig. 1) is based on the opposite flow system, carrying the sand from the bottom to the top (15 - 17 sec.), gas of 200-250° flowing opposite. The dust is removed and the sand is collected in a holder. Fig. (2) shows a scheme with the dimensions. By this furnace, 15 tons of sand are dried per hour. The furnace needs a space of 100 sq.m. Its cost amounts to approximately 60,000 rubels. There are 2 diagrams.

Card 1/1

28(1)

307/11-30-6-5/33

AUTHORS: Tserkovnyy, I.M. and Shesternina, V.A., Engineers

TITLE: Pushing Conveyers

PERIODICAL: Mashinostroitel', 1959, Nr 6, pp 10-14 (USSR)

ABSTRACT: The article presents general information on the design and operation of pushing conveyers, such as are being widely used abroad, i.e. automatic conveyers for carrying castings or other blanks to different shops within a plant, and mentions different "addressing systems" of these conveyers. For the first experimental pushing conveyer system at the Ul'yancvskiy avtozavod (Ul'yancvsk Automobile Plant), the plan shown in figure 6 has been adopted. The painting of axles in a high-voltage electrostatic field is done according to this plan. The advantages of this conveyer system are explained. There are 6 diagrams.

Card 1/1

16.6/00

S/020/62/143/004/009/027  
B104/B102

AUTHOR: Shcherbina, V. A.

TITLE: The regularization of products of generalized causal-type functions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 4, 1962, 815 - 817.

TEXT: The regularization of products of the type

$\prod_{k=1}^N \varepsilon_1 \left( \sum_{k=1}^m \frac{1}{x_k} \right)$  (2) is considered.  $\varepsilon_1$  is a function of type

$\varepsilon(x) = \int_0^{\infty} h(t) \exp(-ix^2/4t) dt$  (1) or of its derivatives, where

$x^2 = \sum_{j=1}^n \varepsilon_j x_j^2$ ,  $\varepsilon_j = 1$  with  $j \leq r$ , and  $\varepsilon_j = -1$  with  $j > r$ .  $\int_A^{\infty} h(t) dt < \infty$  for

any  $A > 0$ ; for small  $t$   $h(t) = t^{-\lambda} \varphi(t)$ , where  $\varphi(t)$  is limited and  $\lambda < n/2 + 1$ .

The following theorem is proved: every product of type (2) consisting of  $N$  functions of type (1) and their derivatives generate a continuous linear

Card 1/2

The regularization of products ...

S/020/62/143/004/009/027  
B104/B102

functional above a certain subspace  $S_N$  of the type  $\prod x_k^i \cdot S$ , where the selection of  $\prod x_k^i$  is determined by its products.

ASSOCIATION: Fiziko-tekhnicheskiy institut nizkikh temperatur Akademii nauk USSR (Physicotechnical Institute for Low Temperatures of the Academy of Sciences UkrSSR)

PRESENTED: November 30, 1961, by N. N. Bogolyubov, Academician

SUBMITTED: November 29, 1961

Card 2/2

SHCHERBINA, V.A.

Local regularizations of the coefficient functions of the scattering matrix. Dokl. AN SSSR 143 no.5:1075-1077 Ap '62. (MIRA 15:4)

I. Fiziko-tekhnicheskiy institut nizkikh temperatur AN USSR.  
Predstavleno akademikom N.N.Bogolyubovym.  
(Quantum electrodynamics) (Matrix mechanics)

SHCHERBINA, V.A.

Regularization of the products of generalized casual functions.  
Dokl. AN SSSR 143 no.4:815-817 Ap '62. (MIRA 15:3)

1. Fiziko-tekhnicheskii institut nizkikh temperatur AN USSR.  
Predstavleno akademikom N.N.Bogolyubovym.  
(Quantum field theory) (Functional analysis)

L 46304-65 EWT(1) IJP(c) GG

ACCESSION NR: AR5012221

UR/0058/65/000/003/B017/B017

SOURCE: Ref. zh. Fizika, Abs. 3B166

AUTHOR: Shcherbina, V. A.

TITLE: On the computational formalism in quantum field theory

CITED SOURCE: Fiz.-tekh. in-t nizk. temperatur AN USSR. Khar'kov,  
1964, 55 str.

TOPIC TAGS: quantum field theory, Feynman diagram, causal function,  
subtraction procedure, regularization

TRANSLATION: The problem considered is that of regularization of the products of causal functions of quantum field theory with the aid of a subtraction procedure of the type of the Bogolyubov R-operation. The method employed makes it possible to greatly expand the class of products which are regularized by means of such a procedure. A formula is obtained for the "finite part" of the regularized product, which is represented in the form of some parametric integral over the Feynman parameters of the factors and over the subtraction parameters.

Card 1/2

L 46304-65

ACCESSION NR: AR50122211

The corresponding integrand is written out in a very simple explicit form for any diagram in configurational and momentum spaces. The procedure for the construction of the counterterms is appreciably simplified.

SUB CODE: GP

ENCL: 00

Card 2/2 *pm*

L 10779-66 INT(G)/INT(M)/INT(W)/INT(V)/INT(U)/INT(T)/INT(S)  
ACC NR: AP6018616 SOURCE CODE: UR, 1420/8/000/000/01/0131

AUTHOR: Shcherbina, V. A.

ORG: Kharkov Aviation Institute (Khar'kovskiy aviatsionnyy institut)

TITLE: Determining spring-back in bending of panels backed up by reinforcing ribs

SOURCE: Samoletostroyeniye i tekhnika vozdukhnoy flota, no. 4, 1965, 128-131

TOPIC TAGS: reinforced shell structure, plastic deformation, elastic deformation, metal bending, bending stress, elastic stress

ABSTRACT: A method is proposed for determining permanent deformation as a result of plastic bending in various types of paneling with longitudinal ribbed reinforcement. It is assumed that the paneling has ideal plastic properties, that there is no displacement of the neutral axis during deformation and that the cross section is not deformed during bending, the stresses acting only along the axis. Formulas are derived for determining stress distribution, equilibrium between external and internal forces and the bending moment in a given cross section. The equation for the bending moment is modified to describe the behavior of metals with a stress-strain curve which may be approximated by a power function, i. e. where there is no sharp break between the regions of elastic and plastic deformation. Orig. art. has: 5 figures, 14 formulas.

SUB CODE: 20/13/ SUBM DATE: none

Card 1/1 *MLP*

SHCHERBINA, V.D.

Some data on the geological structure of the Dobryanka prospecting area. Geol. nefti i gaza 7 no.6:21-27 Je '63.

(MIRA 16:9)

1. Kontora razvedochnogo bureniya No.1 tresta Permnefterazvedka.

SHCHERBINA, V. I.

A. A. Mikiiforov, A. F. Troitskiy, V. I. Shcherbina

"Stalinets-30" (Tractor "Stalinets-30" Pod Red. M. F. Balzhi i Ya. Trashutina.  
Isprav i dopol. izd. Moskva, Sel'khozgiz, 1953, 275 p. illus., Diagr.